

# HD-TVI

## EyeBall Camera

# HD-TVI

## EyeBall Camera

### KEY FEATURES

- 1080p HD-TVI
- Main Output: HD-TVI
- 2nd Output: Analog
- 2.8-12mm Vari-focal Lens
- Auto-focus Lens
- OSD Setup
- Day-Night w/IR
- D-WDR / 3DNR
- UTC
- DC12V
- Outdoor / Ivory Housing



**CAUTION** : Any changes or modifications in construction of this device which are not expressly approved by the party

**NOTE** : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Version 06.15

# HD-TVI

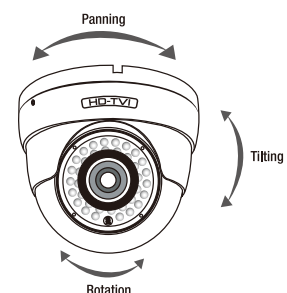
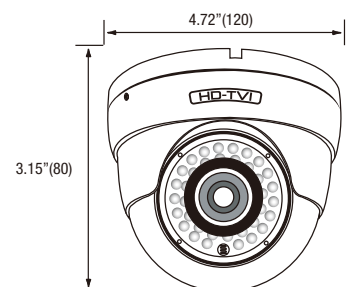
## EyeBall Camera

# HD-TVI

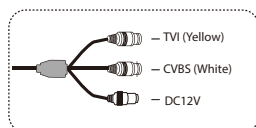
## EyeBall Camera

For the specific camera dimensions, please refer to the diagram below.

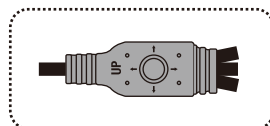
Unit: Inch (mm)



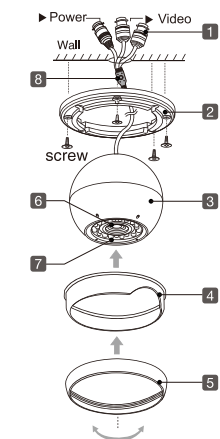
### 1 Power Input and Video Connectors



- 2 Base
- 3 Camera
- 4 Middle Ring
- 5 Base Ring
- 6 Lens
- 7 IR LED
- 8 OSD Joystick



**REMINDER**  
For longer, more consistent performance, avoid installation locations prone to direct sunlight.



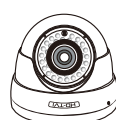
Before installing the camera, please make sure that all of the following items are included in the box.

### EYEBALL CAMERA

1. Dome Camera
2. Installation Manual
3. Mounting Accessories



Mounting Accessories



Eyeball Camera

# HD-TVI

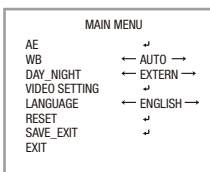
## EyeBall Camera

Imaging Sensor	1/3" CMOS
Total Pixels	1952(H) x 1266(V) = 2,471,232 (pixel)
Active pixels	1944(H) x 1213(V) = 2,358,072 (pixel)
Scanning system	Progressive Scan
Resolution	TVI : 1920x1080p(1080p/30fps) , 1280x720p(720p/60fps), Analog : 700TVL
Min. illumination	Color : 1.0 lux , BW : 0.5lux / Color DSS : 0.002 lux , BW DSS : 0.001 lux
S/N Ratio	More than 52dB (AGC off)
Video Output	TVI : 1920x1080p(1080p/30fps) , 1280x720p(720p/60fps) Analog : 1Vp-p Composite Output NTSC, PAL(w/o WDR)
LENS	DC(ALC)/Manual(ELC)
BRIGHTNESS	0~20
SHUTTER	AUTO / FLICKER / MANUAL(1/30(25)~1/6000)
SENS-UP	OFF/x2/x3/x4/x5/x6/x7/x8
AGC	0~20
DEFOG	ON/OFF
BACKLIGHT	OFF/HLC/BLC/WDR
DAY&NIGHT	AUTO/COLOR/B&W/EXT.
WHITE BAL.	AUTO/AUTOext/PRESET/MANUAL
DNR	OFF/LOW/MIDDLE/HIGH
SHARPNESS	0~10
MIRROR	ON/OFF
FLIP	ON/OFF
D-WDR	ON/OFF
SHADING	ON/OFF
PRIVACY	ON(16 Points)/OFF
MOTION	ON/OFF
OUTPUT MODE	720P / 720P CROP / 1080P
FRAME RATE	1080P-25FPS / 30FPS, 720P CROP-50FPS / 60FPS
CVBS	NTSC/PAL
LANGUAGE	ENG/CHN/JPN (MULTI LANGUAGE)
COM	ID (0 ~ 255), BAUDRATE ( 2400 / 4800 / 9600 / 57600/115200 ), PROTOCOL (PELCO-P / PELCO-D)
Operating Temperature	-10℃ ~ +50℃ (Humidity : 0%RH ~ 80%RH)
Storage Temperature	-20℃ ~ +60℃ (Humidity : 0%RH ~ 90%RH)
Lens	2.8-12mm Auto-Focus Lens
Input Voltage	DC 12V
IR LEDs	36
IR LEDs Distance	100ft

# HD-TVI

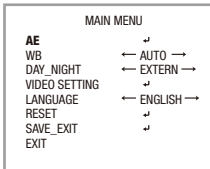
## EyeBall Camera

You may select the OSD menu items to adjust by using OSD buttons for your desire.  
To use OSD menu, press SET button and SET UP will appear as shown on the screen.

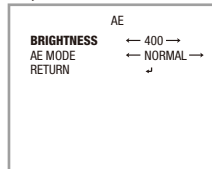


Move the arrow to select functions by use  
UP/Down & LEFT/RIGHT buttons.

### AE

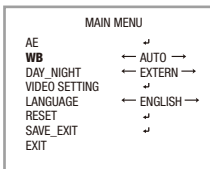


### AE ; BRIGHTNESS



- 1) BRIGHTNESS - 400 -  
-> 256 ~ 1024
- 2) AE MODE - NORMAL -  
-> BACK LIGHT / FRONT LIGHT / NORMAL
- 3) RETURN

### WB



- 1) WB - AUTO -  
-> AUTO / GRAY WORLD

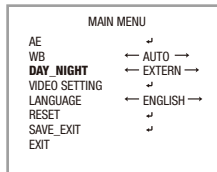
3

4

# HD-TVI

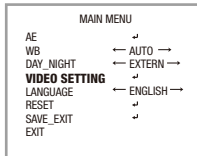
## EyeBall Camera

### DAY/NIGHT

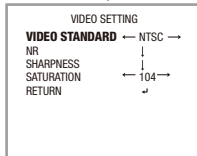


- 1) DAY / NIGHT - EXTURN -  
-> COLOR / MONO / INTERNAL / EXTURN

### VIDEO SETTING

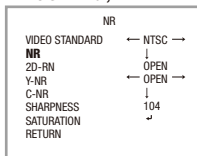


### VIDEO SETTING ; VIDEO STANDARD



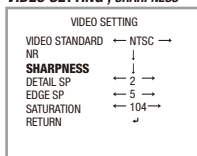
- 1) VIDEO STANDARD - NTSC -  
-> NTSC / PAL

### VIDEO SETTING ; NR



- 1) 2D- NR - OPEN -  
-> OPEN / CLOSE
- 2) Y - NR -OPEN -  
-> OPEN / CLOSE
- 3) C- NR -OPEN-  
-> OPEN / CLOSE

### VIDEO SETTING ; SHARPNESS

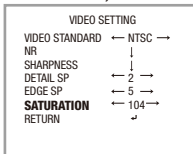


- 1) DETAIL SP - 2 -  
-> 0 ~ 15
- 2) DETAIL SP - 5 -  
-> 0 ~ 15

# HD-TVI

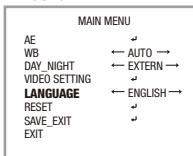
## EyeBall Camera

### VIDEO SETTING ; SATURATION



- 1) SATURATION - 104 -  
-> 0 ~ 504

### LANGUAGE



- 1) LANGUAGE  
-> ENGLISH / CHINESES

### RESET

### SAVE\_EXIT

### EXIT

5

6